IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

HP Docket No.: 10960787- 9   Patent Application

Inventor(s): C. Venkatraman, et al.   Group Art: 2142

Serial No.: 09/863,667   Examiner: HARRELL, Robert B.

Filed: May 23, 2001

Title: Providing A Web Page Interface for a Device (as amended)

DECLARATION OF JEFFREY A MORGAN
UNDER 37 C.F.R. § 1.31

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Jeffrey A. Morgan, hereby declare that:

1.   I am making this declaration under 37 C.F.R. §1.131 in connection with above identified patent application.

2.   I am a co-inventor of the above identified application. The other inventor is Chandrasekar Venkatraman. Upon information and belief, Hewlett Packard Company is the assignee of record of the above identified patent application.

3.   I am a citizen of the United Kingdom of Great Britain and Northern Ireland, and currently reside at 1401 Aster Lane, Cupertino, California 95014.

4.   I am currently employed by Hewlett Packard Company of Palo Alto, California. I have been working for Hewlett Packard Company since February 3, 1986.

5.   I have reviewed U.S. Patent No. 6,219,708, Martenson ("Martenson"), a copy of which is attached hereto as Exhibit 1.

1

The Martenson patent was issued on April 17, 2001 and has a filing date of May 30, 1996.

6.   I had no knowledge of the Martenson patent until in-house patent attorney, Eileen Lehmann, sent it to me in an e-mail of March 30, 2005, a partially masked copy of which is attached hereto as Exhibit 2.

7.   The invention disclosed and claimed in the above-identified patent application was conceived and reduced to practice in the United States of America prior to the filing date of the Martenson patent. The invention disclosed and claimed in the above-identified patent application was conceived in the United States of America no later than April 1996. A working prototype containing the present invention disclosed and claimed in the above-identified patent application was operative in the United States of America no later than April 1996.

8.   Attached hereto as Exhibit 3 is a true and correct photocopy of a partially masked Invention Disclosure Form signed and dated by the inventors of the above-identified patent application on May 2, 1996. The Invention Disclosure Form was also witnessed by Richard J. Friedrich on May 3, 1996. Portions of the Invention Disclosure Form irrelevant to the working prototype of the present invention disclosed and claimed in the above-identified patent application have been masked. I believe that the Invention Disclosure Form shows that the date of the working prototype containing the present invention was made was no later than April 1996.

9.   The Invention Disclosure Form was also signed and dated by Thomas A. Shoup as a co-inventor. Thomas A. Shoup is not an inventor of the present invention as disclosed and claimed in the above-identified patent application. He is a co-inventor of an

invention which is contained in the Invention Disclosure Form, but is disclosed and claimed in another pending application.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under 18U.S.C.§1001, and that such willful false statements may jeopardize the validity of the above identified patent application or any patent issued thereon.

Executed on: **April 6th , 2005, at Palo Alto, California**

By: _____

Jeffrey A. Morgan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

HP Docket No.: 10960787- 9   Patent Application

Inventor(s): C. Venkatraman, et al.   Group Art: 2142

Serial No.: 09/863,667   Examiner: HARRELL, Robert B.

Filed: May 23, 2001

Title: Providing A Web Page Interface for a Device (as amended)

DECLARATION OF CHANDRASEKAR VENKATRAMAN
UNDER 37 C.F.R. § 1.31

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Chandrasekar Venkatraman, hereby declare that:

1.   I am making this declaration under 37 C.F.R. §1.131 in connection with above identified patent application.

2.   I am a co-inventor of the above identified application. The other inventor is Jeffrey A. Morgan. Upon information and belief, Hewlett Packard Company is the assignee of record of the above identified patent application.

3.   I am a citizen of India, and resided at 43912 Pine Court, Fremont, California 94539 at the time of filing the application and currently reside in Saratoga, California 95070.

4.   I am currently employed by Hewlett Packard Company of Palo Alto, California, and also worked for Hewlett Packard previously from 1989 to 1999.

5.   I have reviewed U.S. Patent No. 6,219,708, Martenson ("Martenson"), a copy of which is attached hereto as Exhibit 1.
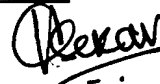
The Martenson patent was issued on April 17, 2001 and has a filing date of May 30, 1996.

6.   I had no knowledge of the Martenson patent until in-house patent attorney, Eileen Lehmann, sent it to me in an e-mail of March 30, 2005, a partially masked copy of which is attached hereto as Exhibit 2.

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8.   Attached hereto as Exhibit 3 is a true and correct photocopy of a partially masked Invention Disclosure Form signed and dated by the inventors of the above-identified patent application on May 2, 1996. The Invention Disclosure Form was also witnessed by Richard J. Friedrich on May 3, 1996. Portions of the Invention Disclosure Form irrelevant to the working prototype of the present invention disclosed and claimed in the above-identified patent application have been masked. I believe that the Invention Disclosure Form shows that the date of the working prototype containing the present invention was made was no later than April 1996.

9.   The Invention Disclosure Form was also signed and dated by Thomas A. Shoup as a co-inventor. Thomas A. Shoup is not an inventor of the present invention as disclosed and claimed in the above-identified patent application. He is a co-inventor of an

invention which is contained in the Invention Disclosure Form, but is disclosed and claimed in another pending application.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under 18U.S.C.§1001, and that such willful false statements may jeopardize the validity of the above identified patent application or any patent issued thereon.

Executed on: **April 7 , 2005,** at **Palo Alto, California**

By: Chandrasekar Venkatraman

Chandrasekar Venkatraman

From:	Lehmann, Eileen
Sent:	Wednesday, March 30, 2005 2:37 PM
To:	Venkatraman, Chandrasekar; Morgan, Jeffrey A
Subject:	Materials for Web Page in Every Device

Attachments: US5956487.pdf; US6219708.pdf; US5917405.pdf; VFF8.PDF; N9VP.pdf

US5956487.pdf   US6219708.pdf   US5917405.pdf (5   VFF8.PDF (1 MB)   N9VP.pdf (3 MB)
(639 KB)   (985 KB)   MB)

ATTORNEY CLIENT PRIVILEGED AND HP CONFIDENTIAL

Hi Jeff and Chandra:

REDACTED

Thank you,
Eileen

1

Exhibit 2

INVENTION DISCLOSURE

HEWLETT PACKARD

PDNO 10960787 Attorney TRC

Date Received: 5/31/96 BISL

Please submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared and submitted to the Government.

Descriptive title of invention:

Web Page in Every Device

Name of project:
Product name or number: HP Labs: Home Systems Project

The invention is described in my lab book # _____ or in the following other records: See attached

Has the invention been built or tested? No ☐ Yes ☑   Date built or tested: April, 1996

Was a description of the invention published or are you planning to publish? No ☑ Yes ☐
Date and location of any actual or proposed publication of the invention: _____

EXHIBIT 3

Signature of Inventor(s): PLEASE SEE BACK OF FORM FOR ADDITIONAL REQUIRED INVENTOR INFORMATION.

I(we) this date 2 May, 1996 submit this invention disclosure pursuant to my(our) employment agreement.

Emp. Number	Name	Signature	Telnet #	Mail Stop	Entity Name and Lab Name
382759	C. VENKATRAMAN	Venkav	857-8739	14-17	HPL/BISL
154155	J. MORGAN		857-2501	14-17	HPL/BISL
267575	Thomas A Sharp	Thomas A Sharp	857-3711	14-19	HPL/BISL

If more than three inventors, please sign on an additional disclosure form and attach to this page.
Please try to obtain the signature of the person(s) to whom the invention was first disclosed.

Signature of Witness(es):

The invention was first explained to and understood by me (us): _____, 19___.
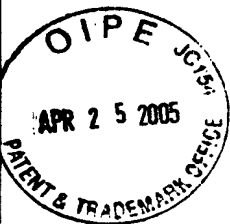
Full Name	Signature	Date of signature
Richard J. Friedrich	Richard J. Friedrich	5/3/96

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HP Docket No.: 10960787- 9   **Patent Application**

Inventor(s): C. Venkatraman, et al.   **Group Art: 2142**

Serial No.: 09/863,667   **Examiner: HARRELL, Robert B.**

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UNDER 37 C.F.R. § 1.31

Commissioner for Patents
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Alexandria, VA 22313-1450

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3.   I am a citizen of the United Kingdom of Great Britain and Northern Ireland, and currently reside at 1401 Aster Lane, Cupertino, California 95014.

4.   I am currently employed by Hewlett Packard Company of Palo Alto, California. I have been working for Hewlett Packard Company since February 3, 1986.

5.   I have reviewed U.S. Patent No. 6,209,048, Wolff ("Wolff"), a copy of which is attached hereto as Exhibit 1. The Wolff patent was issued on March 27, 2001 and has a filing date of February 9, 1996.

6.   I had no knowledge of the Wolff patent until in-house patent attorney, Eileen Lehmann, sent it to me in an e-mail of

1

April 13, 2005, a partially masked copy of which is attached hereto as Exhibit 2.

7.   The invention disclosed and claimed in the above-identified patent application was conceived and reduced to practice in the United States of America prior to the filing date of the Wolff patent. The invention disclosed and claimed in the above-identified patent application was conceived in the United States of America no later than February 8, 1996. A working prototype containing the present invention disclosed and claimed in the above-identified patent application was operative in the United States of America no later than February 8, 1996.

8.   Attached hereto as Exhibit 3 is a true and correct photocopy of four partially masked pages of my laboratory notebook. The entries in the attached four pages of my laboratory notebook show and discuss the use of web-based protocols to control a device. All of the attached four pages of my laboratory notebook were written no later than February 8, 1996.

> I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under 18U.S.C.§1001, and that such willful false statements may jeopardize the validity of the above identified patent application or any patent issued thereon.

Executed on: **April 2^s** , **2005, at Palo Alto, California**

By: _____

Jeffrey A. Morgan

From: "Lehmann, Eileen" <eileen.lehmann@hp.com>
Date: Wed, 13 Apr 2005 14:57:08 -0700
To: "Venkatraman, Chandrasekar" <chandrasekar.venkatraman@hp.com>, "Morgan, Jeffrey A" <jeff.morgan@hp.com>

Subject: Another Reference

ATTORNEY CLIENT PRIVILEGED AND HP CONFIDENTIAL

Chandra and Jeff:

Please review the 6,209,048 patent

REDACTED

Thank you,
Eileen

OLE Features ~~Supported~~ provided in OLE 2.0

Feature	Can be Supported on web
Object Embedding	NO - Assumes local Storage
Object linking	Yes - Access to native store format Via IPersistStream— - Access to other interfaces Could be supported as required.
Automation	Yes - Via support of IDispatch Interface. Client/Server only !!
Custom Interfaces	Perhap's. - Requires either compiler support to generate proxy's or out of band access to Object via RPC.

WWW Browser

URL

In-place version

WWW Browser

Copy

Clipboard

Exec New App

Application

Paste link

WWW

http://www.hp.com/obj-serv/obj.ole (object URL)

NT/WIN 95

OLE Persistent Store

OLE objects Active

Object Server

ROT

Httpd (Modified)

Port 80

Server

OLE link Content (eg. Word)
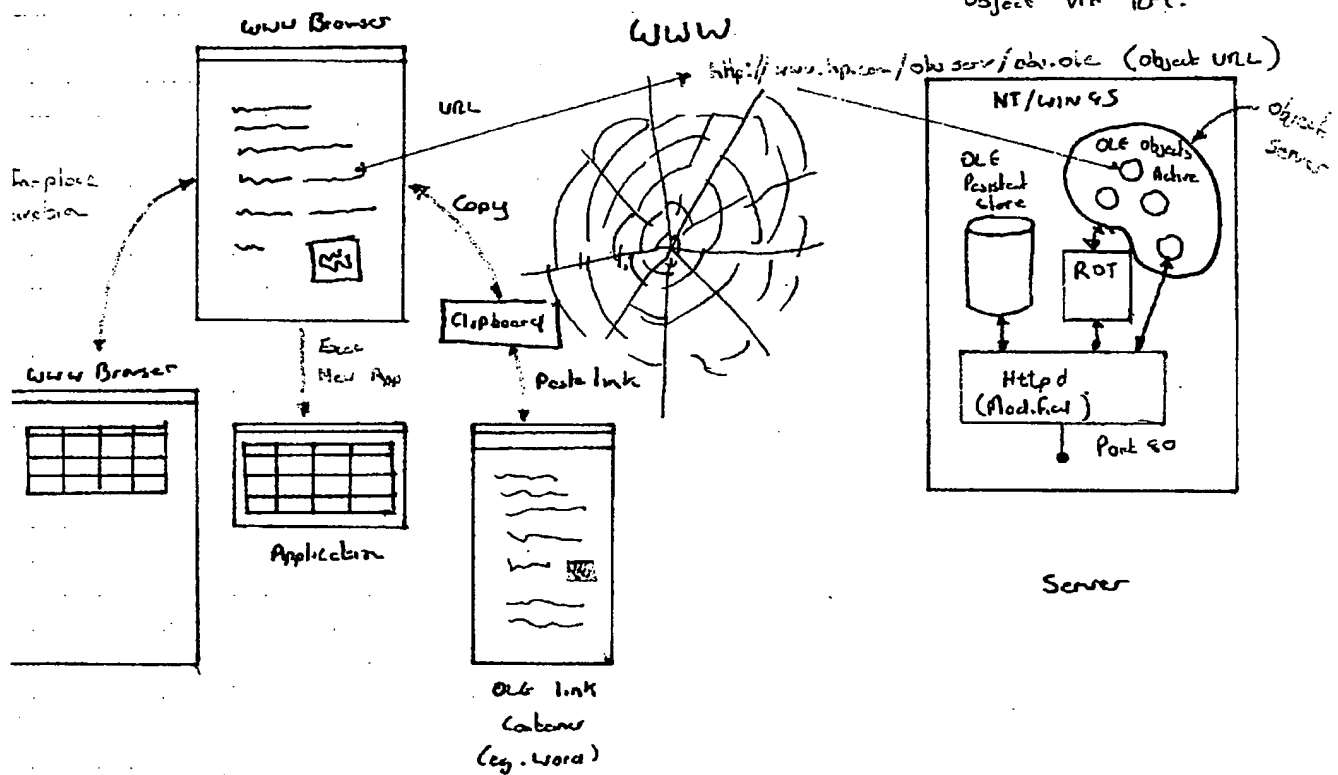
BEST AVAILABLE COPY

Web/OLE Integration

OLE Interfaces Required for First Phase

- IMoniker
- IROT
- IPersistStream
- IDataObject (?) Check this one

Questions

How do I activate the link on the check ?

Object binding on the Web

1. The URL

1.1   http://www.hp.com/server/objstore/foo.obj

The .obj extension defines that this is an object

1.2   http://www.hp.com/server/objstore/foo.<objSys>

<objSys> = The system identifier for an object manager
e.g.
OLE
Corba
Media Objects

1.2   Is preferable to 1.1 because it allows objects to be managed based on system type.

Object manager can be registered with the Server to manage object requests from client based on object system used. An abstraction can be developed allowing other object systems to be integrated into the server dynamically. In this case the server must provide a mechanism for dynamically linking object managers.
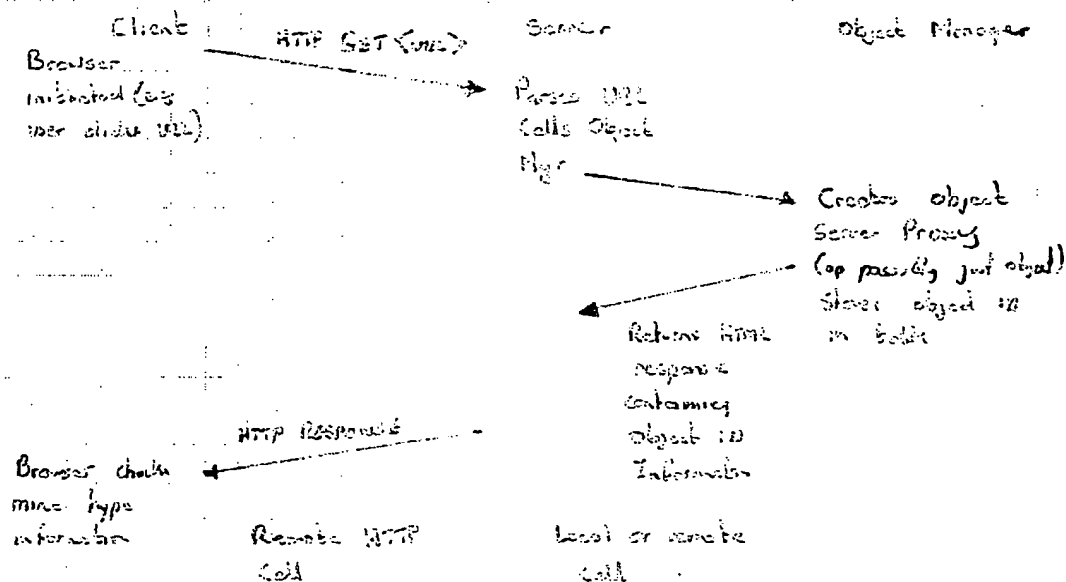
2. The request information

2.1 Use the GET method to request access to a URL encoded as in 1.

~~The request format will differ depending on~~

The Get method will be sent to the server

Client   HTTP GET <url>   Server   Object Manager
Browser
initiated (e.g   Parse URL
user clicks URL)   Calls Object
                                                Mgr
                                                                      → Creates object
                                                                        Server Proxy
                                                                      (or possibly just object)
                                                                      Stores object in
                                                Returns HTML   in table
                                                response
                                                containing
              HTTP Response   object id
Browser checks ←   Information
mime type
information   Remote HTTP   Local or remote
                  Call   Call

3. The response information

The response header will have the following information

success

    HTTP/1.0 200 Object Located <crlf>
    Allow: POST <crlf>
    Content-Type: <object specific> <crlf>
    Message-Id: <unique object id>
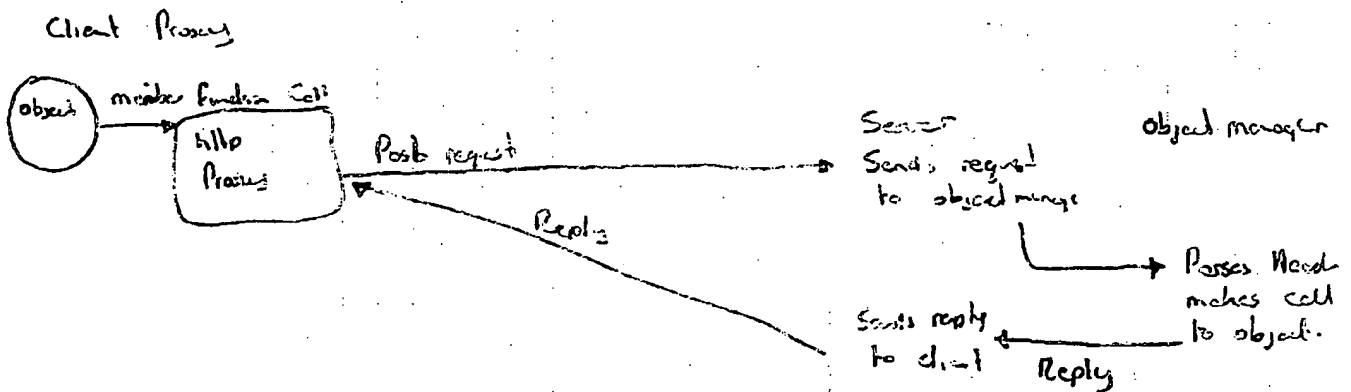   Content-length: <bytes>

failure

    HTTP/1.0 404 Object Not Found <crlf>

se could optionally use Content-encoding, content-transfer-encoding.
  expires could be used to auto delete object at the server if no
one within a set time.
. that security information can be sent via headers

4. The POST request will be used to send requests to the object.

The post request will include the following headers

Message-ID: {object identifier}
Content-Type: {object specific code}
Content-Length {Data sent to object}

Client Proxy

5. The Reply response will be used to receive information results from the server

The Reply response will be:

Success

HTTP/1.0 200 Success {CrLF}
Message-ID: {object Identifier}
Content-Type: {object Specific}
Content-Length: {number of bytes}